

**Table 31 (page 1 of 4). Years of potential life lost before age 75 for selected causes of death, according to sex, race, and Hispanic origin: United States, selected years 1980–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and cause of death	Crude		Age adjusted <sup>1</sup>				
	2000	1980	1990	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
All persons							
Years lost before age 75 per 100,000 population under 75 years of age							
All causes	7,708.9	10,448.4	9,085.5	7,787.0	7,787.0	7,733.6	7,694.7
Diseases of heart	1,271.0	2,238.7	1,617.7	1,365.3	1,345.9	1,316.6	1,270.7
Ischemic heart disease	852.8	1,729.3	1,153.6	905.2	904.3	888.9	852.8
Cerebrovascular diseases	226.5	357.5	259.6	235.7	249.6	222.5	226.4
Malignant neoplasms	1,698.6	2,108.8	2,003.8	1,746.9	1,758.8	1,724.2	1,698.5
Trachea, bronchus, and lung	448.6	548.5	561.4	467.6	460.0	448.4	448.7
Colorectal	143.8	190.0	164.7	145.7	145.6	145.0	143.8
Prostate <sup>4</sup>	60.6	84.9	96.8	72.7	73.7	68.5	64.6
Breast <sup>5</sup>	344.3	463.2	451.6	356.4	358.4	333.4	336.1
Chronic lower respiratory diseases	190.7	169.2	187.5	189.2	198.2	199.1	190.8
Influenza and pneumonia	88.4	160.2	141.5	123.4	86.2	87.4	88.3
Chronic liver disease and cirrhosis	166.4	300.3	196.9	162.3	168.3	164.9	166.3
Diabetes mellitus	181.2	134.4	155.9	176.8	178.2	181.4	181.1
Human immunodeficiency virus (HIV) disease	178.9	---	383.8	175.4	200.8	187.6	178.5
Unintentional injuries	1,054.5	1,543.5	1,162.1	1,032.0	1,063.5	1,047.9	1,052.5
Motor vehicle-related injuries	591.1	912.9	716.4	593.6	579.0	577.0	589.8
Suicide	344.2	392.0	393.1	363.3	361.9	343.0	343.3
Homicide	275.1	425.5	417.4	298.2	297.7	278.9	274.2
Male							
All causes	9,647.6	13,777.2	11,973.5	9,920.0	9,920.0	9,819.9	9,763.8
Diseases of heart	1,739.0	3,352.1	2,356.0	1,937.3	1,909.8	1,860.4	1,796.9
Ischemic heart disease	1,229.6	2,715.1	1,766.3	1,360.8	1,359.4	1,328.5	1,276.2
Cerebrovascular diseases	240.6	396.7	286.6	262.5	277.9	245.8	248.9
Malignant neoplasms	1,780.3	2,360.8	2,214.6	1,907.5	1,920.5	1,883.3	1,843.5
Trachea, bronchus, and lung	539.6	821.1	764.8	594.5	584.8	568.1	563.9
Colorectal	164.0	214.9	194.3	172.0	171.9	169.3	170.2
Prostate	60.6	84.9	96.8	72.7	73.7	68.5	64.6
Chronic lower respiratory diseases	199.8	235.2	225.0	210.9	221.0	221.0	209.6
Influenza and pneumonia	102.5	202.5	180.0	146.5	102.3	102.1	104.7
Chronic liver disease and cirrhosis	236.5	415.0	283.9	236.3	245.0	241.7	240.9
Diabetes mellitus	201.2	140.4	170.4	201.6	203.3	207.1	207.7
Human immunodeficiency virus (HIV) disease	264.9	---	686.2	267.5	306.2	283.1	265.5
Unintentional injuries	1,536.4	2,342.7	1,715.1	1,486.1	1,531.4	1,508.9	1,520.2
Motor vehicle-related injuries	833.6	1,359.7	1,018.4	815.3	795.2	796.0	822.0
Suicide	559.7	605.6	634.8	587.0	584.8	555.1	556.1
Homicide	432.3	675.0	658.0	458.9	458.1	425.4	424.9
Female							
All causes	5,798.7	7,350.3	6,333.1	5,743.4	5,743.4	5,732.8	5,704.0
Diseases of heart	809.9	1,246.0	948.5	837.5	825.6	814.2	783.1
Ischemic heart disease	481.5	852.1	600.3	486.8	486.3	484.4	462.2
Cerebrovascular diseases	212.6	324.0	235.9	211.1	223.5	201.4	206.2
Malignant neoplasms	1,618.1	1,896.8	1,826.6	1,608.2	1,619.1	1,586.0	1,572.8
Trachea, bronchus, and lung	359.0	310.4	382.2	354.5	348.7	341.4	345.4
Colorectal	124.0	168.7	138.7	122.0	121.9	123.1	119.9
Breast	344.3	463.2	451.6	356.4	358.4	333.4	336.1
Chronic lower respiratory diseases	181.8	114.1	155.9	170.4	178.5	180.3	174.2
Influenza and pneumonia	74.5	122.0	106.2	102.4	71.5	73.9	73.1
Chronic liver disease and cirrhosis	97.4	194.5	115.1	92.2	95.6	92.1	95.4
Diabetes mellitus	161.4	128.5	142.3	153.8	155.1	157.5	156.2
Human immunodeficiency virus (HIV) disease	94.2	---	87.8	85.7	98.1	94.6	93.9
Unintentional injuries	579.8	755.3	607.4	578.2	595.8	587.6	584.8
Motor vehicle-related injuries	352.2	470.4	411.6	370.6	361.5	356.9	356.2
Suicide	131.8	184.2	153.3	141.4	140.9	132.7	131.7
Homicide	120.2	181.3	174.3	135.1	134.9	130.4	121.5

See footnotes at end of table.

**Table 31 (page 2 of 4). Years of potential life lost before age 75 for selected causes of death, according to sex, race, and Hispanic origin: United States, selected years 1980–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and cause of death	Crude		Age adjusted <sup>1</sup>				
	2000	1980	1990	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
White							
Years lost before age 75 per 100,000 population under 75 years of age							
All causes . . . . .	7,162.9	9,554.1	8,159.5	7,069.9	7,069.9	7,033.8	7,028.9
Diseases of heart . . . . .	1,207.1	2,100.8	1,490.3	1,246.9	1,229.2	1,203.0	1,162.1
Ischemic heart disease . . . . .	848.9	1,682.7	1,113.4	869.1	868.2	848.1	813.7
Cerebrovascular diseases . . . . .	196.3	300.7	213.1	196.0	207.5	185.7	189.3
Malignant neoplasms . . . . .	1,707.8	2,035.9	1,929.3	1,686.4	1,697.9	1,669.0	1,646.7
Trachea, bronchus, and lung . . . . .	461.4	529.9	544.2	458.3	450.8	440.0	440.8
Colorectal . . . . .	141.2	186.8	157.8	137.7	137.6	137.5	135.6
Prostate <sup>4</sup> . . . . .	54.8	74.8	86.6	62.7	63.5	58.9	55.0
Breast <sup>5</sup> . . . . .	335.8	460.2	441.7	337.8	339.7	313.2	318.0
Chronic lower respiratory diseases . . . . .	196.5	165.5	182.4	184.1	192.9	196.3	187.5
Influenza and pneumonia . . . . .	80.4	130.8	116.9	106.5	74.4	75.2	78.5
Chronic liver disease and cirrhosis . . . . .	169.2	257.3	175.8	158.7	164.5	161.6	164.3
Diabetes mellitus . . . . .	163.4	115.7	133.7	150.8	152.0	155.6	157.5
Human immunodeficiency virus (HIV) disease . . . . .	97.2	---	309.0	96.1	110.0	103.4	96.4
Unintentional injuries . . . . .	1,044.8	1,520.4	1,139.7	1,021.2	1,052.3	1,041.6	1,052.8
Motor vehicle-related injuries . . . . .	592.1	939.9	726.7	597.6	582.9	583.7	598.7
Suicide . . . . .	369.8	414.5	417.7	390.7	389.2	367.9	369.8
Homicide . . . . .	158.2	271.7	234.9	175.6	175.3	166.9	160.1
Black							
All causes . . . . .	12,312.7	17,873.4	16,593.0	13,640.3	13,640.3	13,452.1	13,177.3
Diseases of heart . . . . .	1,934.9	3,619.9	2,891.8	2,491.8	2,456.4	2,398.9	2,301.8
Ischemic heart disease . . . . .	1,060.9	2,305.1	1,676.1	1,351.9	1,350.5	1,363.9	1,311.2
Cerebrovascular diseases . . . . .	432.3	883.2	656.4	550.9	583.3	508.2	513.1
Malignant neoplasms . . . . .	1,934.4	2,946.1	2,894.8	2,453.1	2,469.8	2,383.5	2,321.5
Trachea, bronchus, and lung . . . . .	479.4	776.0	811.3	634.3	624.0	603.3	598.0
Colorectal . . . . .	183.9	232.3	241.8	222.5	223.4	223.4	224.6
Prostate <sup>4</sup> . . . . .	115.2	200.3	223.5	187.3	189.8	180.2	171.1
Breast <sup>5</sup> . . . . .	453.5	524.2	592.9	534.7	537.7	522.0	502.6
Chronic lower respiratory diseases . . . . .	203.8	203.7	240.7	244.5	256.2	243.7	236.0
Influenza and pneumonia . . . . .	149.3	384.9	330.8	247.7	172.9	177.4	164.3
Chronic liver disease and cirrhosis . . . . .	163.1	644.0	371.8	198.7	206.0	197.3	188.6
Diabetes mellitus . . . . .	321.9	305.3	361.5	398.6	401.9	402.5	387.4
Human immunodeficiency virus (HIV) disease . . . . .	742.6	---	1,014.7	757.4	867.1	804.5	779.3
Unintentional injuries . . . . .	1,223.6	1,751.5	1,392.7	1,224.8	1,262.2	1,225.0	1,189.1
Motor vehicle-related injuries . . . . .	626.5	750.2	699.5	626.7	611.3	598.3	597.8
Suicide . . . . .	221.9	238.0	261.4	220.4	219.6	212.6	213.4
Homicide . . . . .	1,041.4	1,580.8	1,612.9	1,041.1	1,039.3	949.7	965.3
American Indian or Alaska Native <sup>6</sup>							
All causes . . . . .	8,668.8	13,390.9	9,506.2	9,730.0	9,730.0	9,683.6	9,471.9
Diseases of heart . . . . .	949.7	1,819.9	1,391.0	1,335.4	1,316.4	1,238.9	1,244.3
Ischemic heart disease . . . . .	628.1	1,208.2	901.8	846.2	845.4	834.5	853.4
Cerebrovascular diseases . . . . .	181.4	269.3	223.3	226.3	239.6	243.3	239.2
Malignant neoplasms . . . . .	912.9	1,101.3	1,141.1	1,248.1	1,256.6	1,174.7	1,199.7
Trachea, bronchus, and lung . . . . .	188.1	181.1	268.1	316.2	311.0	287.0	270.2
Colorectal . . . . .	84.2	78.8	82.4	116.5	116.4	98.1	113.1
Prostate <sup>4</sup> . . . . .	30.6	66.7	42.0	50.8	51.5	*	51.3
Breast <sup>5</sup> . . . . .	169.8	205.5	213.4	211.2	212.4	195.0	213.0
Chronic lower respiratory diseases . . . . .	132.5	89.3	129.0	167.8	175.8	164.3	178.8
Influenza and pneumonia . . . . .	132.8	307.9	206.3	227.3	158.7	169.9	152.2
Chronic liver disease and cirrhosis . . . . .	538.9	1,190.3	535.1	608.5	630.8	640.1	647.7
Diabetes mellitus . . . . .	268.2	305.5	292.3	425.4	428.9	441.4	366.5
Human immunodeficiency virus (HIV) disease . . . . .	78.0	---	70.1	82.3	94.2	109.4	86.3
Unintentional injuries . . . . .	2,211.4	3,541.0	2,183.9	2,004.2	2,065.3	2,027.8	2,094.2
Motor vehicle-related injuries . . . . .	1,374.1	2,102.4	1,301.5	1,226.8	1,196.6	1,178.8	1,264.2
Suicide . . . . .	525.9	515.0	495.9	536.8	534.8	489.4	492.8
Homicide . . . . .	368.4	628.9	434.2	387.2	386.5	426.2	341.2

See footnotes at end of table.

**Table 31 (page 3 of 4). Years of potential life lost before age 75 for selected causes of death, according to sex, race, and Hispanic origin: United States, selected years 1980–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and cause of death	Crude		Age adjusted <sup>1</sup>				
	2000	1980	1990	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
Asian or Pacific Islander <sup>7</sup>							
Years lost before age 75 per 100,000 population under 75 years of age							
All causes . . . . .	3,702.2	5,378.4	4,705.2	4,001.8	4,001.8	3,967.4	3,928.5
Diseases of heart . . . . .	507.1	952.8	702.2	636.8	627.8	617.5	596.1
Ischemic heart disease . . . . .	328.7	697.7	486.6	419.4	419.0	427.6	401.6
Cerebrovascular diseases . . . . .	178.1	266.9	233.5	208.1	220.3	214.4	209.4
Malignant neoplasms . . . . .	955.7	1,218.6	1,166.4	1,104.6	1,112.1	1,097.5	1,086.7
Trachea, bronchus, and lung . . . . .	161.4	238.2	204.7	197.3	194.1	191.3	195.9
Colorectal . . . . .	83.1	115.9	105.1	104.0	103.9	92.0	96.6
Prostate <sup>4</sup> . . . . .	13.7	17.0	32.4	21.3	21.6	20.0	20.2
Breast <sup>5</sup> . . . . .	198.1	222.2	216.5	214.4	215.6	192.3	210.1
Chronic lower respiratory diseases . . . . .	50.4	56.4	73.1	61.3	64.2	60.5	59.2
Influenza and pneumonia . . . . .	44.1	79.3	74.0	70.6	49.3	44.1	50.0
Chronic liver disease and cirrhosis . . . . .	42.4	85.6	72.4	44.5	46.1	46.4	46.9
Diabetes mellitus . . . . .	66.6	83.1	74.0	86.1	86.8	84.6	81.3
Human immunodeficiency virus (HIV) disease . . . . .	21.4	---	77.0	28.1	32.2	27.0	20.9
Unintentional injuries . . . . .	467.1	742.7	636.6	462.6	476.7	448.2	452.7
Motor vehicle-related injuries . . . . .	292.9	472.6	445.5	302.0	294.6	277.9	282.9
Suicide . . . . .	192.0	217.1	200.6	201.2	200.4	206.4	182.9
Homicide . . . . .	125.9	201.1	205.8	143.2	143.0	135.7	121.4
Hispanic <sup>8</sup>							
All causes . . . . .	5,827.1	---	7,963.3	6,321.9	6,321.9	6,313.6	6,284.4
Diseases of heart . . . . .	571.3	---	1,082.0	891.2	878.5	869.8	815.7
Ischemic heart disease . . . . .	353.7	---	756.6	596.8	596.2	596.0	552.8
Cerebrovascular diseases . . . . .	150.5	---	238.0	228.4	241.8	207.5	208.2
Malignant neoplasms . . . . .	812.9	---	1,232.2	1,130.8	1,138.5	1,117.5	1,103.7
Trachea, bronchus, and lung . . . . .	94.2	---	193.7	160.4	157.8	157.0	148.7
Colorectal . . . . .	69.1	---	100.2	96.5	96.4	96.7	100.9
Prostate <sup>4</sup> . . . . .	21.4	---	47.7	54.2	54.9	47.2	41.2
Breast <sup>5</sup> . . . . .	173.4	---	299.3	247.9	249.3	221.6	230.2
Chronic lower respiratory diseases . . . . .	48.9	---	78.8	75.6	79.2	79.3	67.9
Influenza and pneumonia . . . . .	68.0	---	130.1	101.4	70.8	68.4	77.4
Chronic liver disease and cirrhosis . . . . .	185.2	---	329.1	253.1	262.4	252.2	254.2
Diabetes mellitus . . . . .	139.3	---	177.8	210.6	212.3	214.2	212.2
Human immunodeficiency virus (HIV) disease . . . . .	195.3	---	600.1	223.2	255.5	240.0	222.1
Unintentional injuries . . . . .	1,086.5	---	1,190.6	997.5	1,027.9	1,032.1	1,020.0
Motor vehicle-related injuries . . . . .	659.8	---	740.8	563.8	549.9	572.7	605.3
Suicide . . . . .	214.1	---	256.2	210.2	209.4	202.9	209.5
Homicide . . . . .	426.3	---	720.8	407.7	407.0	387.1	381.4

See footnotes at end of table.

**Table 31 (page 4 of 4). Years of potential life lost before age 75 for selected causes of death, according to sex, race, and Hispanic origin: United States, selected years 1980–2000**

[Data are based on death certificates]

Sex, race, Hispanic origin, and cause of death	Crude		Age adjusted <sup>1</sup>				
	2000	1980	1990	1998	Comparability modified 1998 <sup>2</sup>	1999 <sup>3</sup>	2000 <sup>3</sup>
White, non-Hispanic <sup>8</sup>	Years lost before age 75 per 100,000 population under 75 years of age						
All causes . . . . .	7,270.3	---	8,022.5	7,017.8	7,017.8	6,975.7	6,972.4
Diseases of heart . . . . .	1,295.1	---	1,504.0	1,268.4	1,250.4	1,222.9	1,184.6
Ischemic heart disease . . . . .	918.6	---	1,127.2	886.6	885.7	864.8	832.1
Cerebrovascular diseases . . . . .	201.2	---	210.1	189.5	200.6	180.8	184.5
Malignant neoplasms . . . . .	1,835.1	---	1,974.1	1,721.2	1,732.9	1,704.6	1,682.2
Trachea, bronchus, and lung . . . . .	517.1	---	566.8	480.7	472.9	462.5	464.9
Colorectal . . . . .	151.4	---	162.1	140.3	140.2	140.3	137.5
Prostate <sup>4</sup> . . . . .	59.8	---	89.2	62.9	63.7	59.3	55.8
Breast <sup>5</sup> . . . . .	358.3	---	451.5	343.6	345.5	319.4	324.0
Chronic lower respiratory diseases . . . . .	218.3	---	188.2	191.1	200.2	204.2	196.0
Influenza and pneumonia . . . . .	80.9	---	112.3	104.7	73.1	74.2	76.7
Chronic liver disease and cirrhosis . . . . .	163.3	---	162.4	146.2	151.6	149.3	151.6
Diabetes mellitus . . . . .	165.0	---	131.2	144.9	146.1	149.7	151.5
Human immunodeficiency virus (HIV) disease . . . . .	78.3	---	271.2	76.5	87.6	81.6	76.3
Unintentional injuries . . . . .	1,019.9	---	1,114.7	1,008.6	1,039.4	1,024.6	1,039.7
Motor vehicle-related injuries . . . . .	571.1	---	715.7	594.6	580.0	575.6	587.0
Suicide . . . . .	390.2	---	433.0	411.7	410.1	388.4	389.8
Homicide . . . . .	110.0	---	162.0	127.9	127.7	120.6	113.0

--- Data not available.

\* Based on fewer than 20 deaths.

<sup>1</sup>Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment.

<sup>2</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD-9 and ICD-10. See Appendix II, Comparability ratio and table VI.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD-10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

<sup>4</sup>Rate for male population only.

<sup>5</sup>Rate for female population only.

<sup>6</sup>Interpretation of trends should take into account that population estimates for American Indians increased by 45 percent between 1980 and 1990, partly due to better enumeration techniques in the 1990 decennial census and to the increased tendency for people to identify themselves as American Indian in 1990.

<sup>7</sup>Interpretation of trends should take into account that the Asian population in the United States more than doubled between 1980 and 1990, primarily due to immigration.

<sup>8</sup>Excludes data from States lacking an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: For data years shown, code numbers for cause of death are based on the current revision of the *International Classification of Diseases (ICD)*. Starting with *Health United States 2002* rates for Ischemic heart disease, Cerebrovascular diseases, and Unintentional injuries are based on ICD-9 codes that are most nearly comparable with ICD-10 codes for these causes, and differ from the previous editions of *Health, United States*. See Appendix II, table V. See Appendix II for definition of years of potential life lost (YPLL) and method of calculation. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999). YPLL rates may also be similarly affected. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National vital statistics system; numerator data from annual mortality files; denominator data from table 1 and unpublished Hispanic population estimates for 1990–96 prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census.